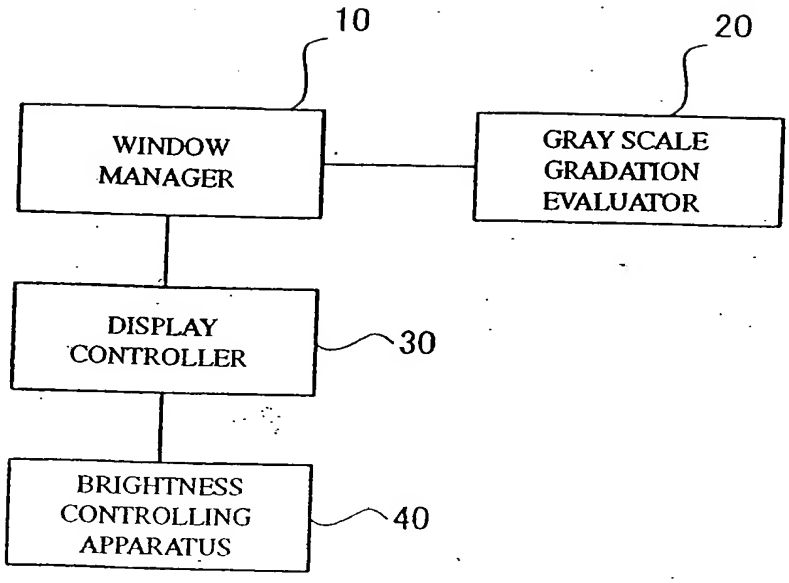
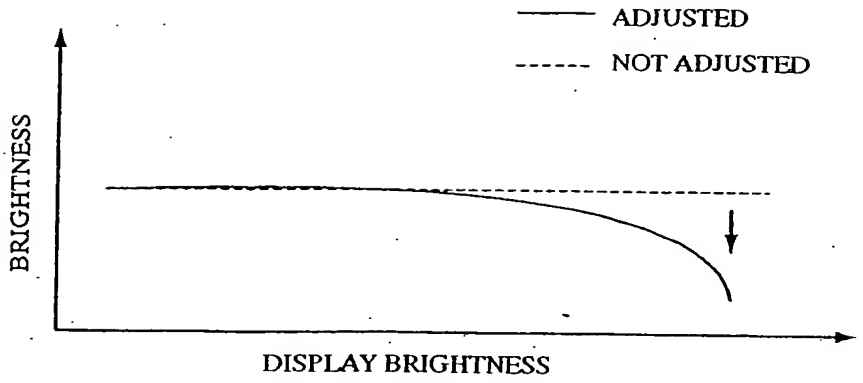
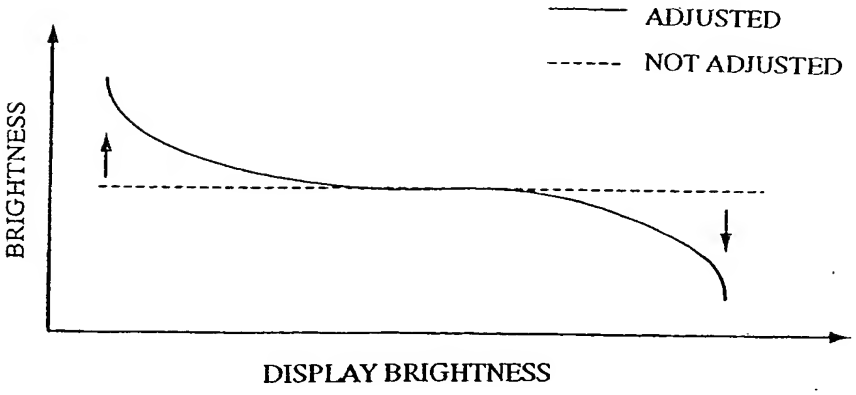
[Figure 1]


10
20
WINDOW MANAGER
GRAY SCALE GRADATION EVALUATOR
DISPLAY CONTROLLER
30
BRIGHTNESS CONTROLLING APPARATUS
40

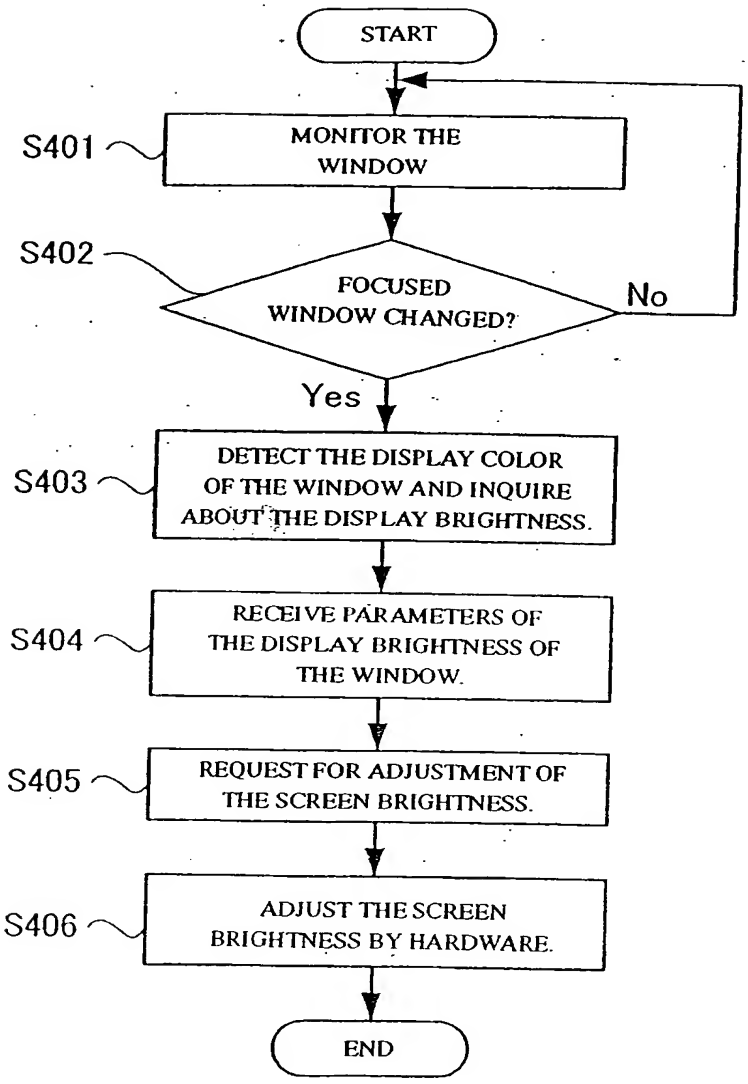
[Figure 2]



[Figure 3]

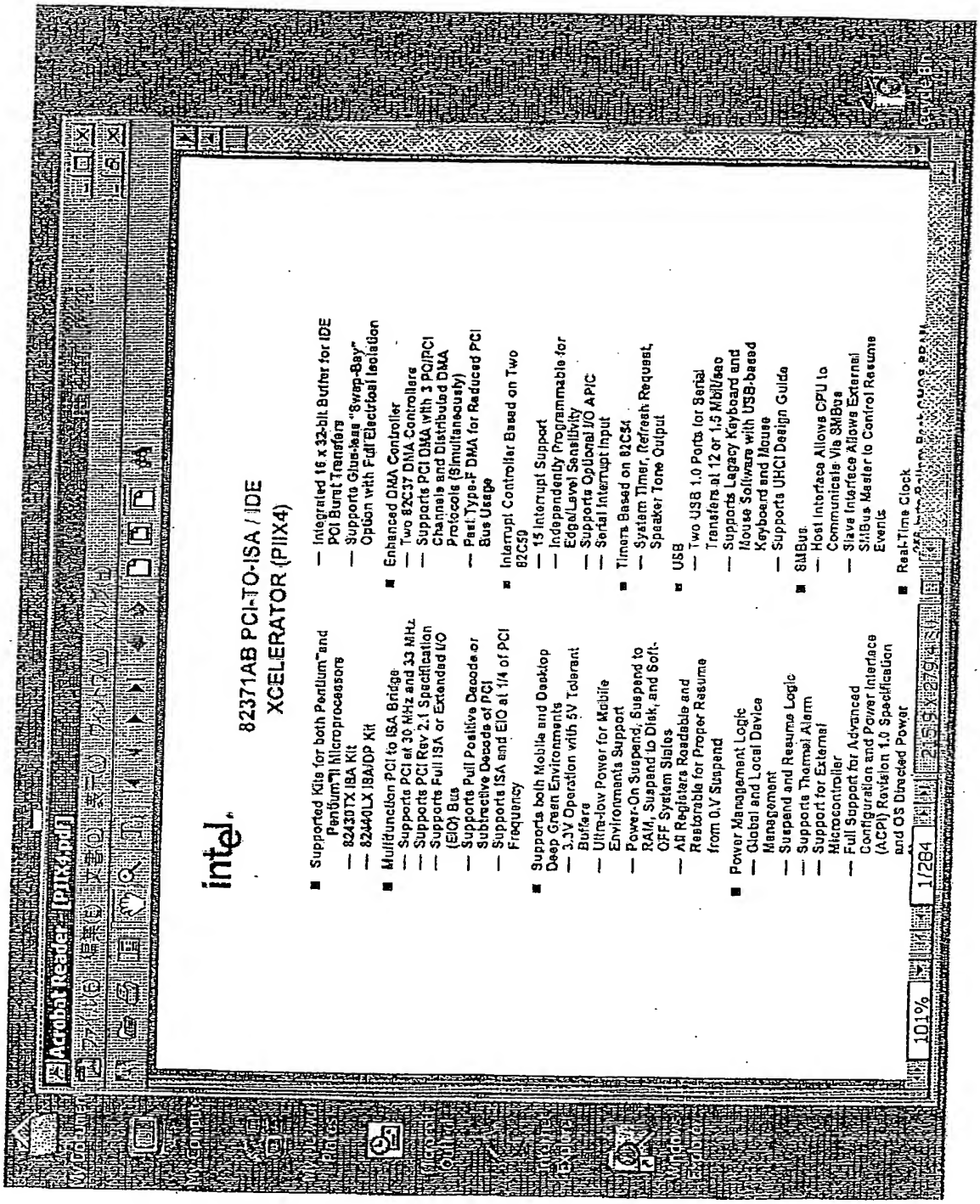


[Figure 4]


START
S401
MONITOR THE WINDOW
S402
FOCUSED WINDOW CHANGED?
No
Yes
S403
DETECT THE DISPLAY COLOR OF THE WINDOW AND INQUIRE ABOUT THE DISPLAY BRIGHTNESS.
S404
RECEIVE PARAMETERS OF THE DISPLAY BRIGHTNESS OF THE WINDOW.
S405
REQUEST FOR ADJUSTMENT OF THE SCREEN BRIGHTNESS.
S406
ADJUST THE SCREEN BRIGHTNESS BY HARDWARE.
END

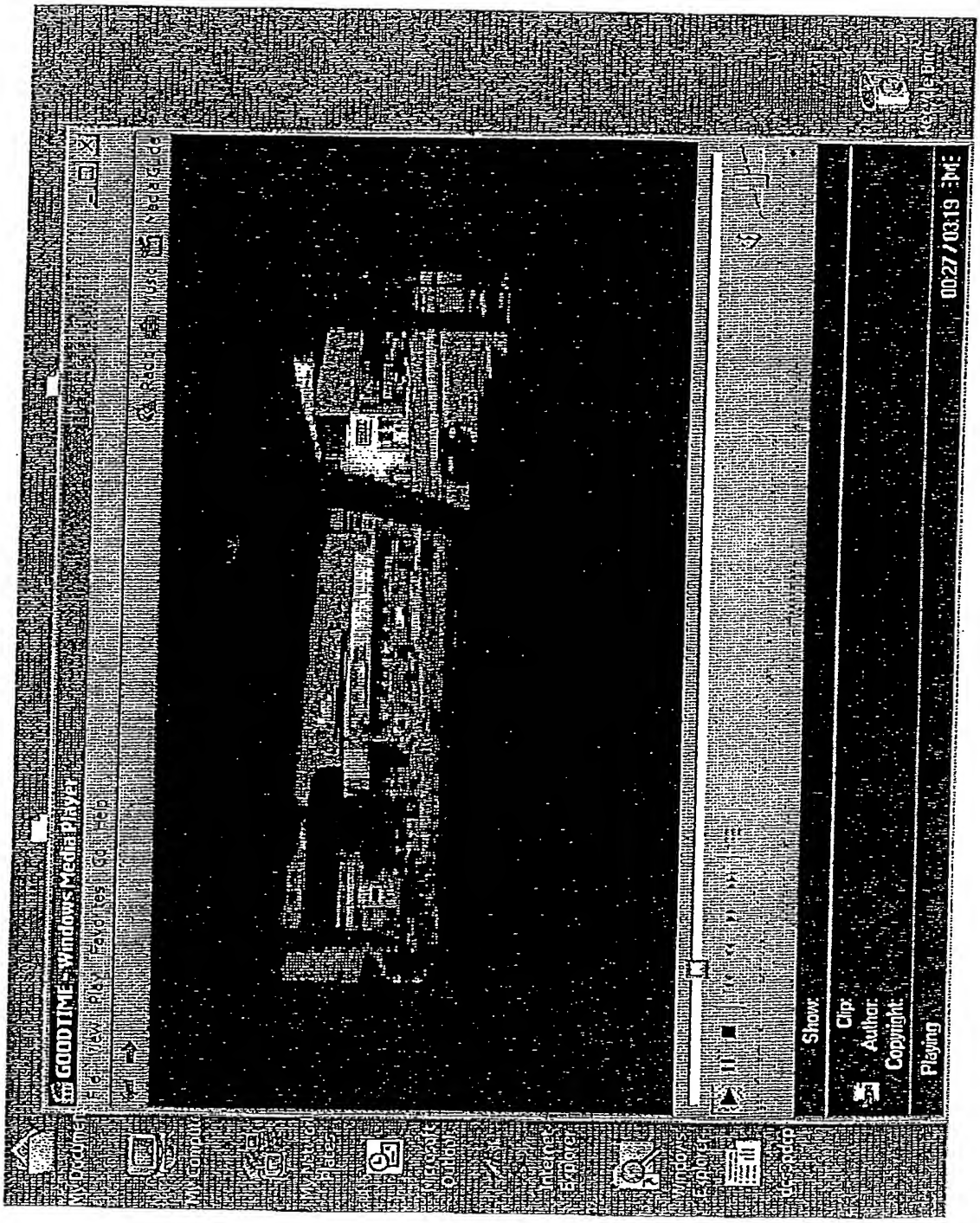
BEST AVAILABLE COPY

[Figure 5]

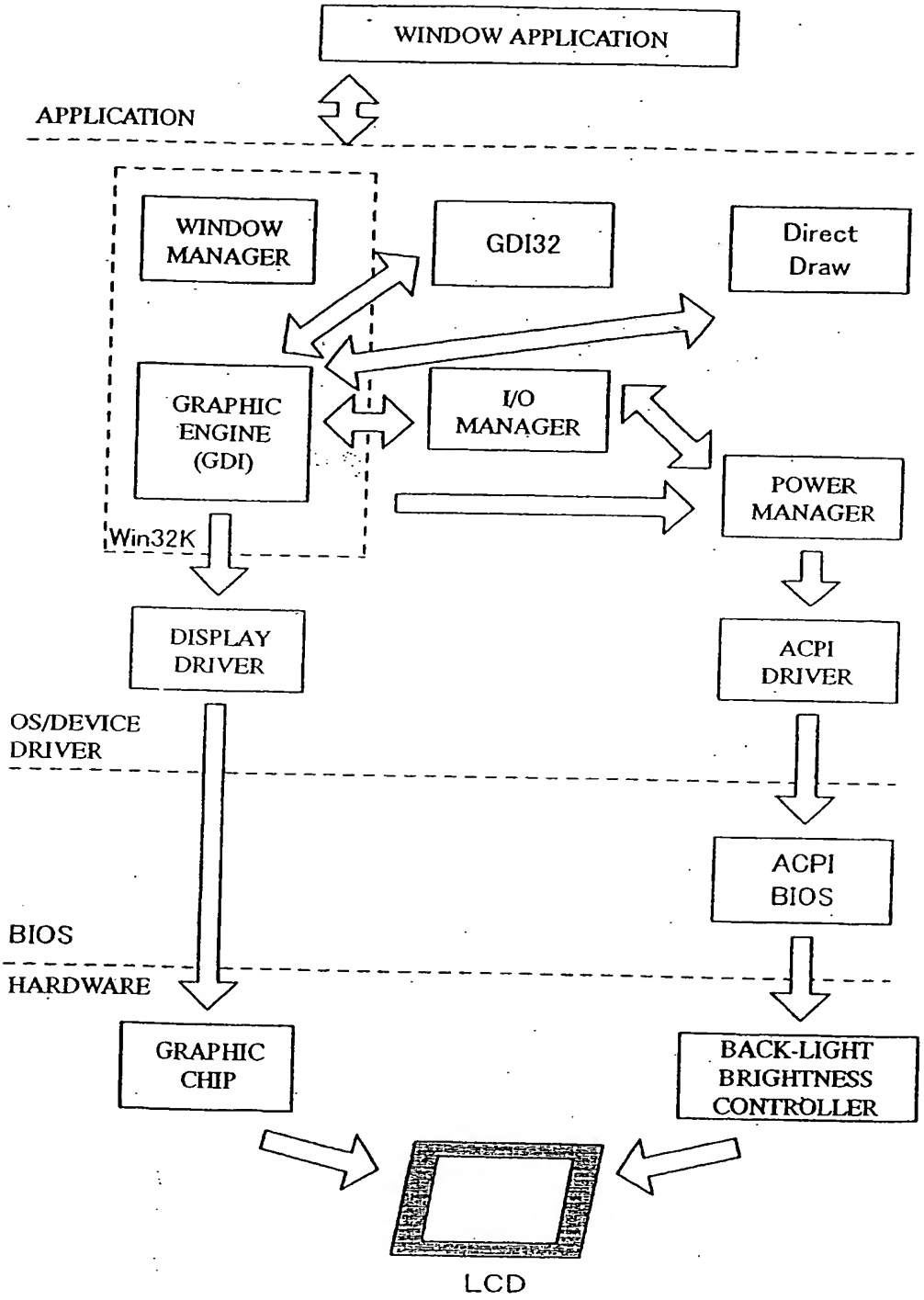


BEST AVAILABLE COPY

[Figure 6]

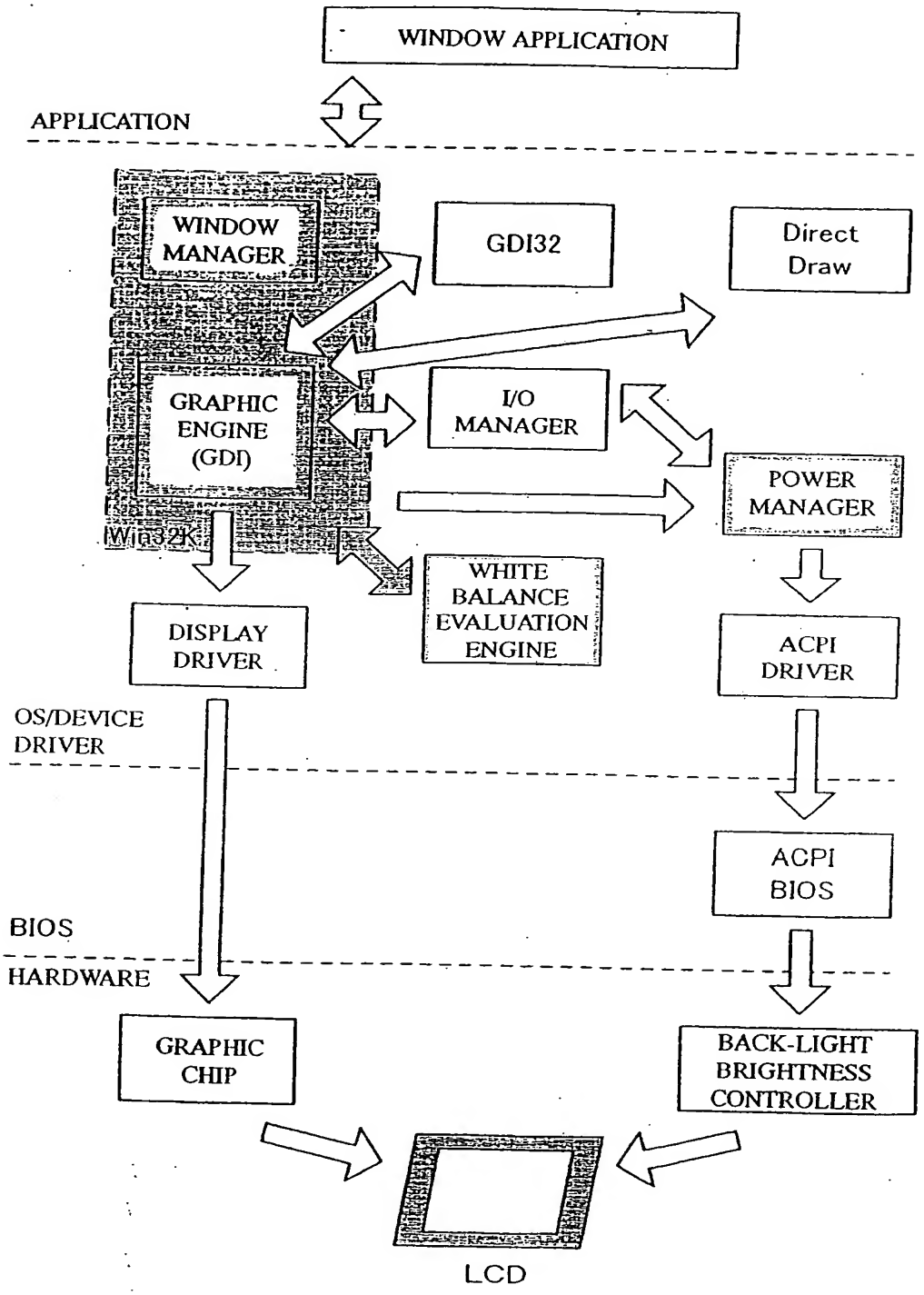


[Figure 7]

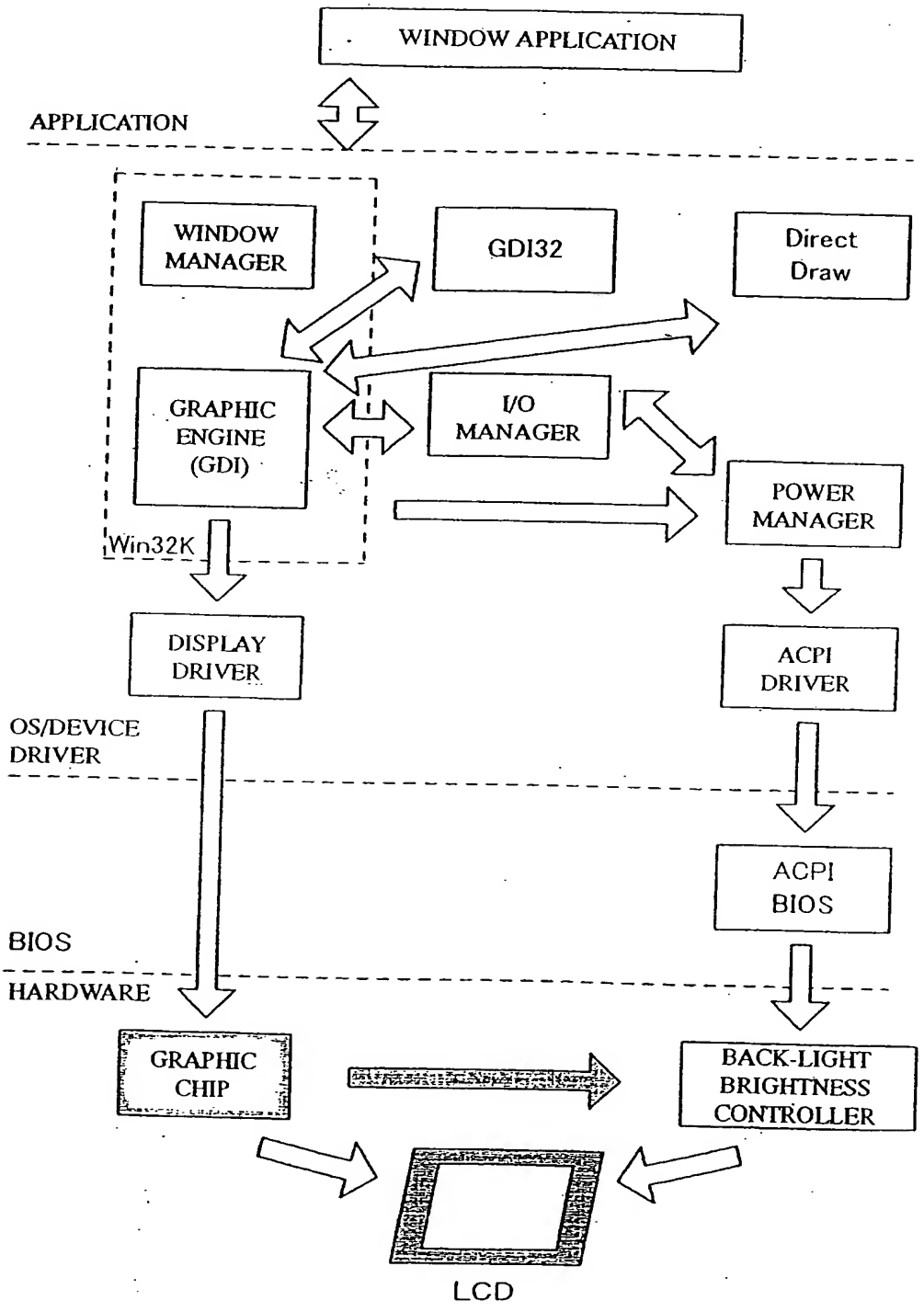

WINDOW APPLICATION
APPLICATION
WINDOW MANAGER
GDI32
Direct Draw
GRAPHIC ENGINE (GDI)
I/O MANAGER
POWER MANAGER
Win32K
DISPLAY DRIVER
ACPI DRIVER
OS/DEVICE DRIVER
ACPI BIOS
BIOS
HARDWARE
GRAPHIC CHIP
BACK-LIGHT BRIGHTNESS CONTROLLER
LCD

BEST AVAILABLE COPY

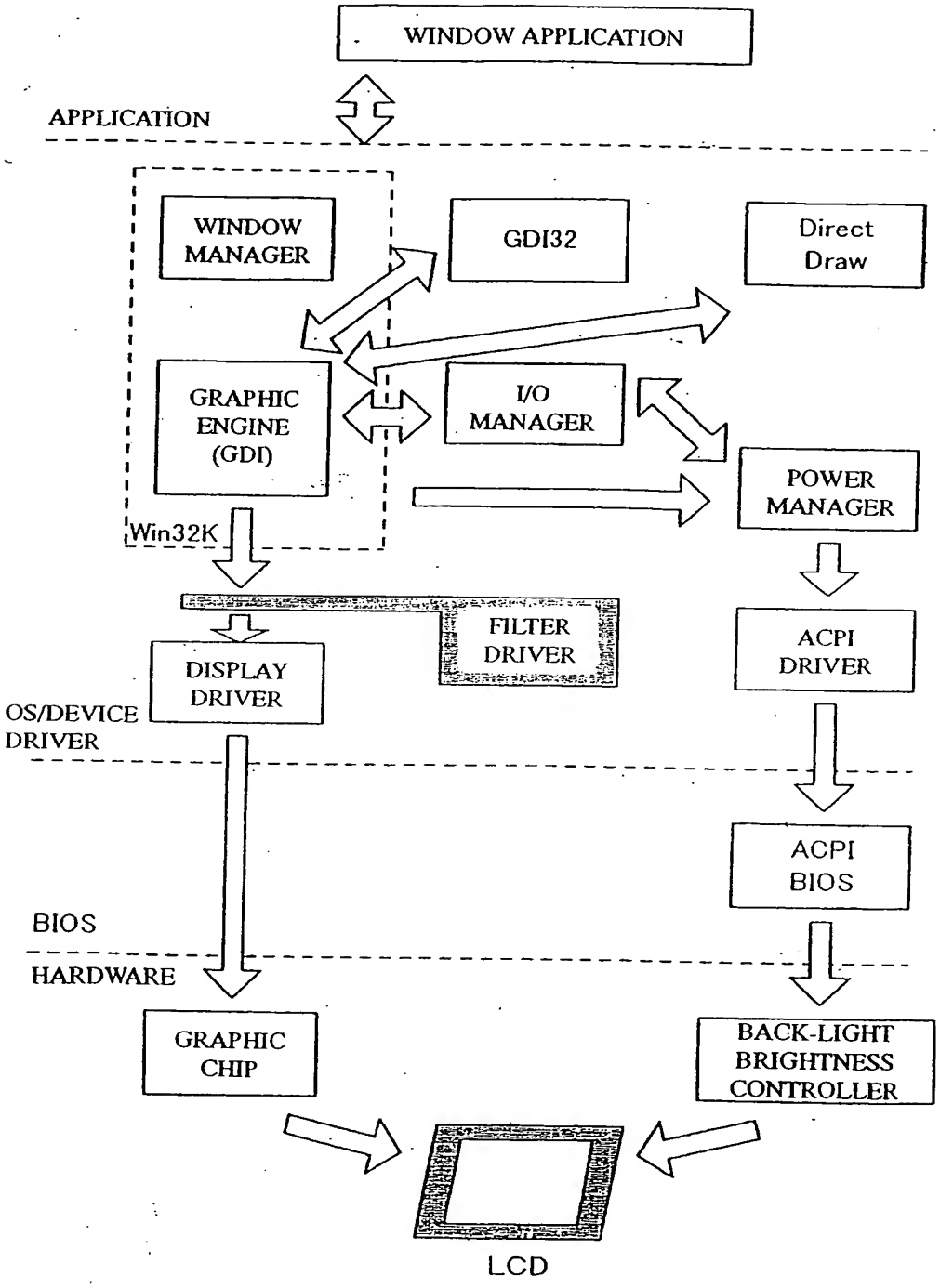
[Figure 8]



[Figure 9]


WINDOW APPLICATION
APPLICATION
WINDOW MANAGER
GDI32
Direct Draw
GRAPHIC ENGINE (GDI)
I/O MANAGER
POWER MANAGER
Win32K
DISPLAY DRIVER
ACPI DRIVER
OS/DEVICE DRIVER
ACPI BIOS
BIOS
HARDWARE
GRAPHIC CHIP
BACK-LIGHT BRIGHTNESS CONTROLLER
LCD

[Figure 10]


WINDOW APPLICATION
APPLICATION
WINDOW MANAGER
GDI32
Direct Draw
GRAPHIC ENGINE (GDI)
I/O MANAGER
POWER MANAGER
Win32K
FILTER DRIVER
ACPI DRIVER
DISPLAY DRIVER
OS/DEVICE DRIVER
ACPI BIOS
BIOS
HARDWARE
GRAPHIC CHIP
BACK-LIGHT BRIGHTNESS CONTROLLER
LCD